CLEAR WATER SERVICES

Project: Alaska Copper Works **Inspection Date:** 2/7/19

Project No.: 18ACW1 **Technician:** David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm)	Influent	n/a	Effluent	n/a	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	n/a	Effluent	n/a	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	n/a	Effluent	n/a	
Carbon Filter Pressures (Lead)	Influent	n/a	Effluent	n/a	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	n/a	Effluent	n/a	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	☒ Yes ☐ No	Display operable, no flow due to freeze protection
Flow Meters Inspected	☒ Yes ☐ No	
Level Sensor Cleaning/Inspection	☐ Yes ☒ No	
Inspect System Plumbing	☒ Yes ☐ No	System in freeze protection and drain valves are open
Pumps Inspected	☒ Yes ☐ No	Pump drained
General Housekeeping	☒ Yes ☐ No	
Chemistry Level	☒ Yes ☐ No	1.5 drums onsite
Safety Materials Inspected	☒ Yes ☐ No	Additional PPE, safety, and storage units to be placed
pH Probe Inspection/Calibration	☐ Yes ☒ No	Inline tank probe removed

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Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH 8.23	Turbidity 9.7	NTU
Bag Filter Influent	pH n/a	Turbidity n/a	NTU
Bag Filter Effluent	pH n/a	Turbidity n/a	NTU
Carbon Filter Influent	pH n/a	Turbidity n/a	NTU
Carbon Filter Effluent	pH n/a	Turbidity n/a	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☒ Yes ☐ No

Sludge Depth (inches):

Decant Tank:	0
Treatment tank:	0
Backflush tank:	0
Main lift station:	-
North lift station:	-
South lift station:	-

Additional Comments, Recommendations and System Upsets:

Recommended to install a rise in the discharge pipe to allow the flowmeter to be fully submerged at all times.

David DuBois	Project Lead Tech	2/7/19
Technician	Title	Date

Submit